

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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TITLE : SEALED ALKALINE ZINC STORAGE BATTERY

ABSTRACT : PURPOSE: To provide a sealed alkaline zinc storage battery in which dendrite growth of zinc at charging time can be suppressed and whose charging and discharging cycle life can be prolonged.

CONSTITUTION: Crystal growth of metal zinc, which tends to grow as dendrite, is suppressed by surrounding the crystal of metal zinc by fatty acid ester which has a sorbitan skeleton with 12 or less HLB value and is added to electrode groups. Consequently, since the metal zinc crystal which tends to grow as dendrite can be surrounded, dendrite growth of the crystal at the charging time can be suppressed and a charging and discharging cycle life can be extended.

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